

P R O G R A M M E

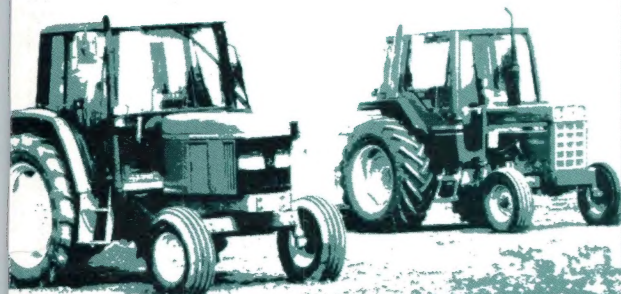
SOUTH ISLAND
AGRICULTURAL

FIELD

24-26 March

DAYS

1999 03 25



FIELD DAYS
LINCOLN



LINCOLN
UNIVERSITY

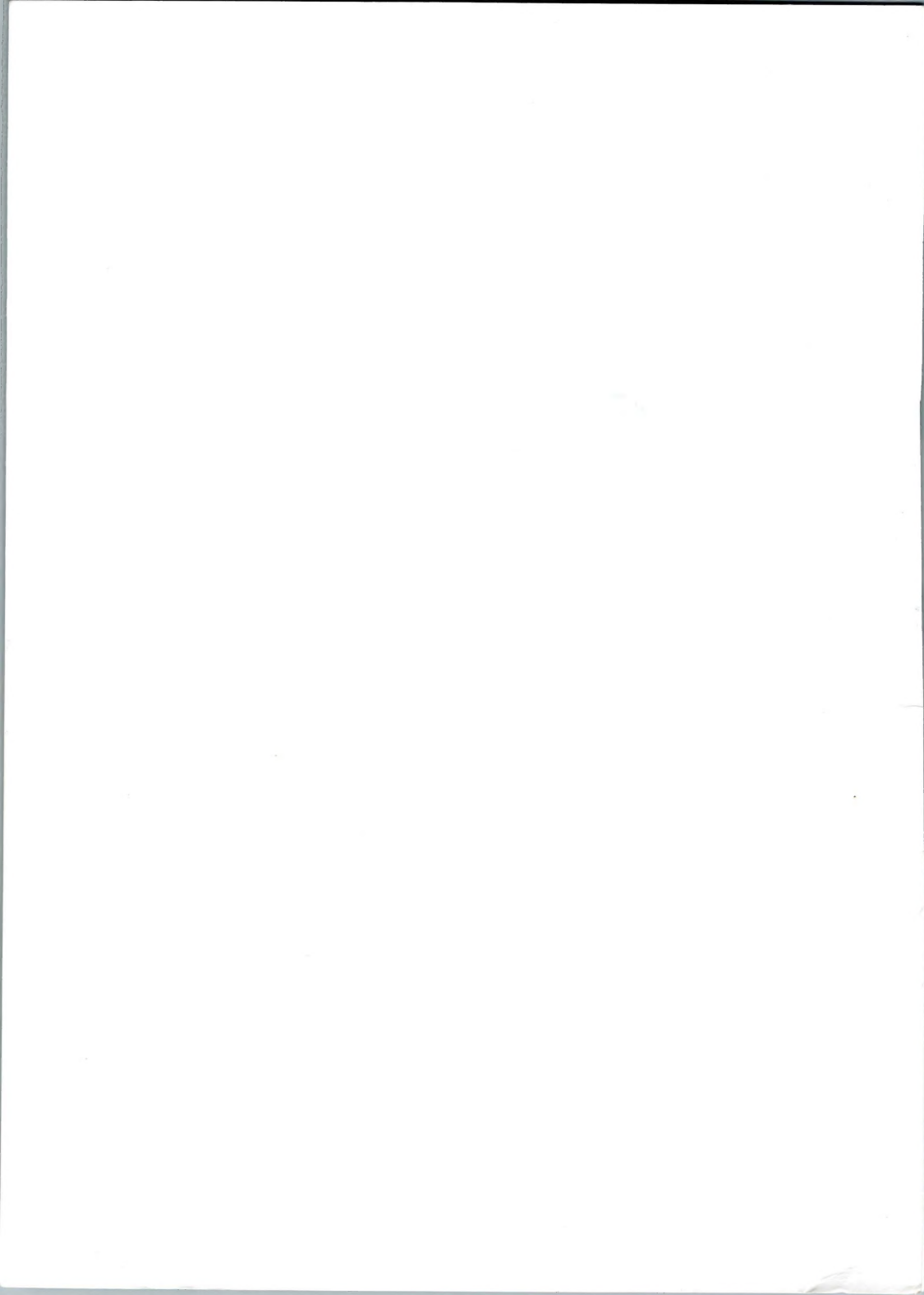
Te Whare Wānaka O Aoraki



YFC

New Zealand Young Farmers

Machinery and Services for Primary Producers



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SOUTH ISLAND AGRICULTURAL
FIELD DAYS

PROGRAMME

FIELD DAYS

PROCEEDINGS

Chairman's Welcome

The South Island Agricultural Field Days are with us again and over the next three days. I trust that you find some aspect of our Field Days interesting and informative. I am expecting this to be one of the largest South Island Agricultural Fields Days in the 46 years of their existence. A special feature of this 1999 Field Days is the Barley Crop to be used for the Combine Harvester demonstrations. I would like to thank all of those involved in this aspect of the event. Special thanks to **Pyne Gould Guinness** for the supply of the seed and **Ravensdown** for the fertiliser.

The Christchurch District of the Young Farmers Club are continuing to maintain a high standard of voluntary organisation of the Field Days and the administrative service has been provided by the Centre for Continuing Education, Lincoln University.

As in previous years we have had strong backing from those associated with the industry. We are particularly grateful to all of our sponsors. **McKay and Donaldson Yamaha** and **Bob McCleary Yamaha** have donated a Yamaha motor cycle as a prize for those who return the clipping from the feature in the Rural News and in this programme. **Ashburton Trading Society** are sponsoring the best site competition. The demonstrations have been sponsored by the **Rural Contractors Magazine**.

A new concept at the 1999 Field Days is the seminars which will be held daily in the catering tent. These sessions will be held at 10-11am and at 2.00-3.30pm. Details of these seminars will be displayed outside the catering tent.

The fencing competition is another important feature of these field days and **Speedrite** are sponsoring the electric fence competition. **Hurricane** will sponsor the Hurricane Challenge for the conventional fences. Entries for both of these

competitions are high, which can only improve the standard of fencing in New Zealand.

The Tractor Pull competition has once again been sponsored by **Ravensdown**. A new vintage class has been incorporated into the competition this year.

Finally I would like to thank the organising committee for the many hours of voluntary work that they have put in to make the Field Days a success. I would like to thank John McCartin and the Lincoln University Cropping Farm staff for the goodwill and assistance they have shown the committee. The committee and I would also like to thank Bill Pickering for his services over past and present field days. This support will be greatly missed as Bill will move on to new and exciting ventures and we wish him luck.

I welcome you all to the 1999 South Island Agricultural Field Days.

Robert McCarthy



WHATEVER TURNS YOU ON



MX MAGNUM SERIES TRACTOR

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CASE IH

SOUTH ISLAND AGRICULTURAL FIELD DAYS

organised for you by	New Zealand Federation of the Young Farmers' Clubs Christchurch District Committee
and	Centre for Continuing Education Lincoln University
to be held on	Lincoln University Research Farm 24-26 March 1999
Chair:	Robert McCarthy
Vice-Chairs:	Douglas Gough and Paul Cockburn
Field Days Secretary:	Errol Costello
Immediate Past Chair:	Stephen Radford
Organising Committee:	Gary Micheal, David Hadfield, Dean Judson , Hamish Reid, Duane Stewart, Willie James, John Gilbert, Justin O'Brien, Ryan Ashby, Paul Wright, Neil Baxter
Farm Manager Research Farm:	Bill Pickering
Farm Manager Cropping Unit:	John McCartin
Postal Address:	Secretary South Island Agricultural Field Days Centre for Continuing Education PO Box 84 Lincoln University Telephone (03) 325 3832 Site Phone (03) 325 6127

The Field Days organising committee records its appreciation to all firms and organisations participating in the Field Days, and also to:

Clark Equipment
St John Ambulance Association
Avon City Ford
Smiths Attachments
Hurricane Wire
Graeme Martin
All staff at Centre for Continuing
Education
CRT
Case Corporation

LandPower
Power Farming
Lincoln Ventures
Selwyn District Council
Speedrite Electric Fence Systems
Dianne Calvert
Bob Davidson
Bob McCleary Yamaha
McKay and Donaldson Yamaha

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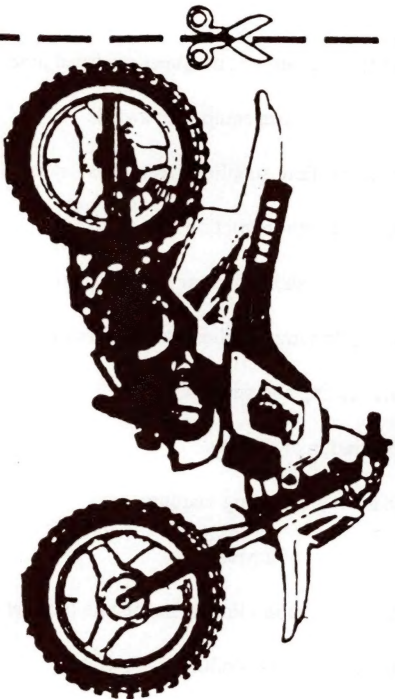
MERCHANDISE

PROGRAMME

Day 1 - Wednesday 24 March

- | | |
|---------|--|
| 8.00am | Gates open |
| 9.00am | Ravensdown Modified and Super-modified practice |
| | Judging of new farm equipment awards |
| 9.30am | Strainrite, Profarm supplies, Beattie Insulators, YFC electric |
| | fencing competition briefing |
| 10.00am | Ravensdown standard tractor pull competition - half hourly |
| | Strainrite, Profarm supplies, Beattie Insulators |
| | Electric fencing competition ceases |
| | Demonstration of mowers |
| | Seminars in the catering marquee |
| 11.00am | Demonstration of hayrakes |
| 12 noon | Plot Demonstration - Potato Harvesting (subject to machine availability) |
| 1.00pm | Modified and Super Modifieds - Round 1 |
| | Demonstration of Balers |
| 2.00pm | Demonstration of Combine Harvesters |
| 2.30pm | Seminars in the catering marquee |
| 3.00pm | Announcement of the New Farm Equipment Awards |
| | Announcement of the Strainrite, Profarm, Beattie Insulators, YFC |
| | fencing competition |
| | Demonstration of miscellaneous items |
| 5.00pm | Gates close |

Win a motorbike



Take this entry
form to
Yamaha – SITE 9
by Lincoln Field
Days main office

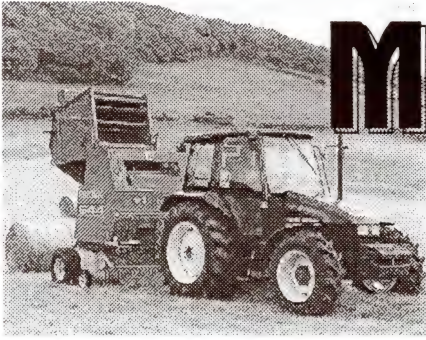
Name _____

Address _____

Ph _____

Day 2 - Thursday 25 March 1999

8.00am	Gates open
9.30am	Hurricane Challenge YFC Teams Fencing Competition briefing
10.00am	Hurricane Challenge YFC Teams Fencing Competition
	Ravensdown Standard Tractor Pull competition - half hourly
	Demonstration of Bale Feeders
	Seminars in catering marquee
12.00noon	Plot Demonstrations - Potato Harvesting (subject to machine availability)
1.00pm	Demonstration of Ploughs
	Modified and Super Modifieds - Round 2
1.30pm	Demonstration of Cultivation Equipment.
2.00pm	Seminars in catering marquee
3.00pm	Demonstration of Drills
3.30pm	Modified and Super Modifieds - Round 3
	Demonstration of miscellaneous items
5.00pm	Gates close



McCarthy

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STAND 159

Day 3 - Friday 26 March 1999

- | | |
|---------|--|
| 8.00am | Gates open |
| 9.30am | Modified and Super Modifieds - Round 4 |
| 10.00am | Ravensdown tractor pull semifinal |
| | Announcement of the Hurricane Challenge Fencing winners |
| | Seminars in catering marquee |
| 10.00am | Miscellaneous demonstrations |
| 11.30am | Modified and Super Modifieds - Round 5 |
| 1.00pm | Miscellaneous Demonstrations |
| 2.00pm | Ravensdown Standard tractor pull finals and prize giving |
| | Modified and Super Modifieds finals |
| | Seminar in the cartering marquee |
| 2.30pm | Modified and Super Modifieds - top three shoot out |
| 3.30pm | McKay and Donaldson Yamaha Motorcycle draw |
| | Best Comparative Demonstration |
| | Best Site Competition |
| 5.00pm | Gates close |



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Case IH tractor: Prize valued at \$200 from Case IH
New Holland tractor: Prize valued at \$200 from Norwood Farm Machinery Centre.
Massey Ferguson tractor: Parts voucher of \$50 from Canterbury Tractors Ltd.
YFC Member: Prize valued at \$200 from S. I. Ag Field Days.

Ravensdown

SUPER MODIFIED Tractor Pull

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MODIFIED Tractor Pull

First Prize: \$300
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Third Prize: \$100

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Balage

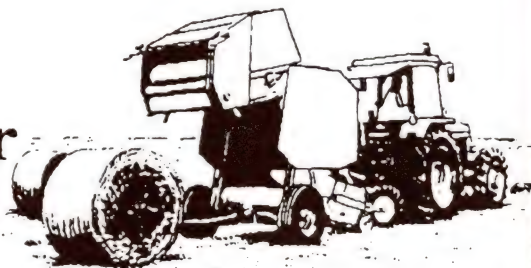
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STANDARD TRACTOR PULL

HEATS TO BE HELD ON THURSDAY, MARCH 25
SEMI FINALS AND GRAND FINAL ON FRIDAY, MARCH 26.



ABOUT THE EVENT

The aim of this competition is to test the skill of operators in setting up and driving their standard tractors to obtain the best speed over a 100 metre course, pulling sledges weighted in proportion to their tractors' maximum power output.

The concept and rules for the competition are the same as for the N.Z. Tractor Pull Competition, staged annually at the N.Z. National Agricultural Fielddays, Hamilton. This event was first held in 1975 and is now a well established, exciting and major feature at the National Fielddays, Northland Field Days and the South Island Agricultural Field Days.

Each competitor will compete in two heats on the Thursday - one each in the morning and afternoon. The fastest time recorded from the two heats for each competitor will be used to determine the nine fastest entrants who will proceed through to the knock out finals on Friday, March 26. It is only the fastest time from the two heats for each competitor that is used to sort out the fastest nine finalists. Alterations can be carried out between the heats to try and improve the time. A practice run (up to the start line) prior to each race would be used for final adjustments of hitch, speed, gear etc.

In theory each operator should complete the course in exactly the same time were it not for the variation in the efficiency with which different competitors utilize their tractor's available power. Factors which affect efficient conversion of engine power to drawbar power include: tractor weight and ballast; tyre type, size, lug design and inflation pressures; hitch method; efficiency of transmission; engine speed and gear selection; dual wheels, flotation tyres, use of diff lock; two or four wheel drive; soil type, moisture content, and conditions.

A skilful driver can optimise all of these factors both in the competition and in the paddock.

The power figure used to calculate the total sledge weight is the maximum PTO power of the competing tractor as measured by PTO dynamometer on the day. The sledges will be weighted so the maximum speed for the majority of tractors will be about 10 km/hr, corresponding to about 36 seconds to travel the 100 metre course.

MODIFIED TRACTOR PULL

ROUNDS TO BE HELD ON WEDNESDAY, THURSDAY and FRIDAY

ABOUT THE EVENT

The modified tractor event will be similar to previous years events and differs in several ways from the standard event described above. It will feature "Super Modified" and "Modified" tractors (also known as "drag tractors") running under the rules of the N.Z. Modified Tractor Pull Association Inc. They will compete over the 100m course pulling sledges of equal weight for each class and contest six rounds of competition over the three days. The time taken for the course will be recorded for each round of the competition and at the end of the event each competitor will drop their slowest run and total the time for the remaining rounds. The competitor with the lowest aggregate time will be declared the overall winner. Competitors will have an opportunity to try starting technique, select the appropriate gear ratios etc, on the run up to the start line. At the conclusion of the main competition there will be a "top three shoot out" This will be a single run, winner takes all, type of competition between the fastest three tractors in each class. Super Modified drivers will compete for a trophy donated by North South Transport, Modified drivers will compete for the Hampton Trophy.

The modified tractors compete in two different classes. For both classes, only one engine is allowed but the engine type is completely open and virtually any fuel type can be used. The major difference between the classes is the allowable total tractor weight - for the Super Modifieds, this is 4 tonnes compared with 2.6 tonnes for the Modifieds. Also tyre size is open for the Super Modifieds but restricted to 18.4/15 x 30 singles for the Modified class. Nearly all competitors use automotive engines and automatic transmissions married into a conventional tractor 'backend'. In the Modified class large six cylinder engines (about 250 cu in) are very competitive - more power is simply lost in wheel slip due to the lower weight and smaller tyres. Large displacement V8s, typically 450 cu in and sometimes supercharged are the norm in the Super Modifieds. Most are extensively modified and producing hundreds of kW. Consequently, these machines provide spectacular noisy action with plenty of speed and are very popular wherever they appear.

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COMPARATIVE DEMONSTRATIONS PROGRAMME

Day 1 - Wednesday 24 March

10am - Mowers

Tulloch Farm Machines

Krone AMT 4000

11am - Hay Rakes

Taege Manufacturing

14 Reel Vee Rake

12 noon - Plot Demonstration of Potato Harvesting

Subject to Machine Availability

1pm - Balers

CB Norwood Dist Ltd

New Holland 654-C

2pm - Combine Harvesters

Case Corporation Pty

Case IH 2388 Axial Flow

Other machinery subject to availability

3pm - Miscellaneous

Euro Agri Imports Ltd

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Want to study towards a Lincoln University Diploma in Farm Management or Horticultural Management in your home district? Can't at the moment become a fulltime campus student because of work or family commitments? A collaboration between Lincoln University and Wrightson's Agriculture New Zealand Ltd now opens the door to part-time, diploma study at home.

You won't be able to complete the entire diploma in your home district, but you will be able to do all eight first year papers and that will give you either a Lincoln Certificate in Agriculture or Certificate in Horticulture. Alternatively, you can do just one or two individual papers and receive a Lincoln Certificate of Proficiency in each subject you pass.

If your ambition is to continue on and complete the full diploma then the second year of the course has to be done as a fulltime student on the Lincoln campus.

The new venture is known as the *Regional Diploma Programme* and the first two papers - *Management A* and *Soils and Soil Management* - were offered for the start of Lincoln University's first semester on 22 February. In the second semester, starting on 5 July, *Management B* and *Engineering* will be offered.

Lincoln University supplies all the necessary self-learning course material and this is supported by tutorials conducted by Agriculture New Zealand consultants. Students will normally take one or two subjects in each semester, with the availability of each subject at each site being conditional on enrolments.

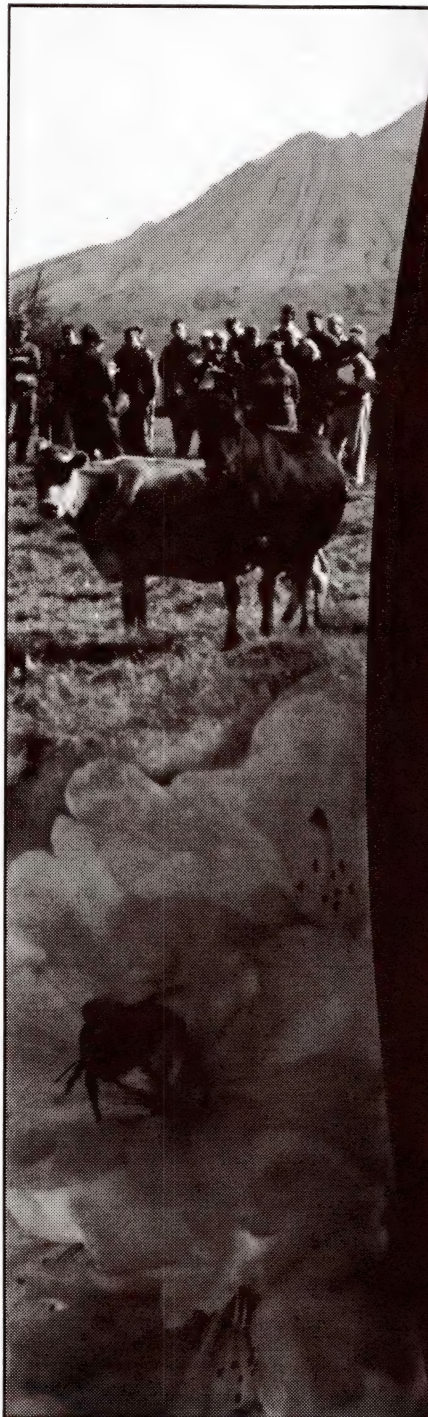
The home district study sites offered in the semester which is under way now are Gore, Dunedin, Hawkes Bay/Woodville, Tauranga and Pukekohe/Kumeu.

"If a group of 12 or more potential students can be assembled in any one district, and the location ties in with the Agriculture New Zealand network, then we're all in business," says Lincoln University's diploma studies co-ordinator, Dr Warwick Scott.

The new regional, part-time diploma opportunity runs in parallel with the traditional, fulltime, campus-based programme and does not replace that way of doing the qualification.

"It's complementary and a new option, not a replacement approach," stresses Dr Scott.

"It gives Lincoln University one more way of providing the educational service people expect of us."



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University, Canterbury

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Day 2 - Thursday 25 March

10 am - Bale Feeders

R L Brooker	1 Bale "Squares"
	6 Bale "Squares"
Ewing Construction Ltd	2 Bale Buggy
MG Heenan Engineering	Heenan Hay Buggy single bale (round)
Robertson Farm Equipment Ltd	Comby Feed Wagon
	Super Comby Feed Wagon
Taege Manufacturing	2 Bale feeder (rounds)

12 noon - Plot Demonstrations - Potato Harvesting

Subject to machinery availability

1pm - Ploughs

Dan Cosgrove Ltd	Reversible Plough Master 120
New Zealand Tractors	Vogel and Noot range of ploughs
	Herkules 9 Furrow Reversible
	Gigant 5 Furrow conventional
	Gigant 4 furrow reversible
CB Norwood Dist Ltd	Lemken 6 Furrow
Plucks Engineering Ltd	Klough 8 Furrow Trailing

1.30pm - Cultivation Equipment

Dan Cosgrove Ltd	Power Harrow HR 3002
Euro Agri Imports (NZ) Ltd	Doublet Record 4m Combi Cultivator
	Doublet Record 4 inl Cultivator - Masterton
	Front Cultivator and Tyre Press
Hubbards Machinery	Hubbards Preparator
Klough Cultivation Ltd	Grubber 989
	Centrefold 203
CB Norwood Dist Ltd	Vaderstad 620 Roller
Plucks Engineering Ltd	Plucks 22 Tyne Chisel Plough
Remco Agricultural Machinery	Rotary Hoe RSF 2000
	Potato Moulder RSH 2000
Simba	Furrow Press - Cultipress 3.3m
	Cultivator - Topsoil 3.5m
	Discs - 2B Discs 3.75m
North American Imports	Bed Farmer Pearson Jumbo
	Soil Separator Pearson Megastar
Process Attachments	Soil Renovator/Stone Burier
	Rotadairon RD180

3pm - Drills

Aitcheson Farm Machines

Harvester Markets

CB Norwood

Taege Manufacturing

Seed King 1530ET Arable

Ridger/Seeder

Great Plains 1000 with CPH no till drill

Great Plains 20 Foot 3 point Linkage

Great Plains 13 Foot End Wheel

Vaderstad 400F Air Drill

Sulky SPI Air Drill

Taege 20 Run 3m direct drill

3.30pm - Miscellaneous

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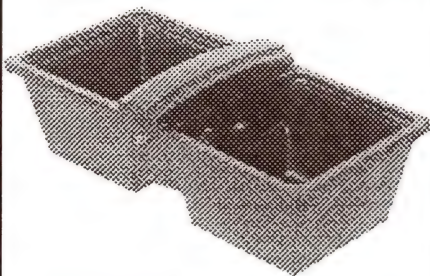
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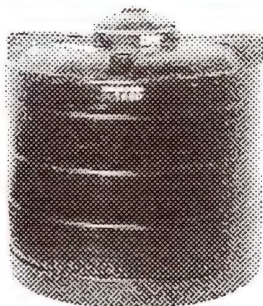
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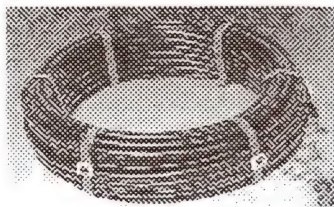
250 litre \$166.00
600 litre \$228.00



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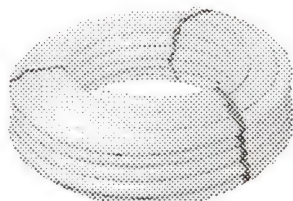
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Day 3 - Friday 26 March

10.00am - Miscellaneous

1.00pm - Miscellaneous

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Sites in Numerical Order

1-3	Case Corporation Pty Ltd
10	Lincoln University
100-102,116-118	Power Farming
103-105	Air-Tec Spraying
106-109	Noble-Adams Machinery Ltd
11-12	Fords Nurseries Ltd
110	Rockbusters Ltd
111,112	Euro Agri Imports (NZ) Ltd
114,115	Rainer Irrigation Ltd
119	Lyco NZ Ltd
120	Airstream Engineering
121	McMullan Enterprises
122-123	Robertson Farm Equipment Ltd
124-126	Wrightson Ltd
127-128	Suzuki NZ Ltd
129	Martyns Cycles & Mowers Ltd
129A	David C Newburry & Co
13	Aitchison Farm Machines Ltd
130-131,135	Harvester Markets Ltd
132	Integrated Packaging Ltd
133	Greenfields Society Limited
134	Klough Cultivation Limited
136	Blairs Kumho Tyre Distributors
137	Cookes
138	Foundation for Arable Research
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14	Copland Contracting Sheep Handlers
140 & 142	New Zealand Tractors Limited
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FIELD DAYS:** **SITES
4, 5, 19, 20**



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143,145	Pluck's Engineering Ltd
144	Henry Engineering Ltd Remco Agricultural Machinery
146-148	Lely New Zealand Ltd
148A	Alpine Spas Limited
150-151	Taege Manufacturing
152	Hooper Machinery
153	McKendry Products Ltd
157	Redline Tractors
158	The Canopy Company
159	Cummins Engine Company Ltd
16-18	Cochranes of Canterbury
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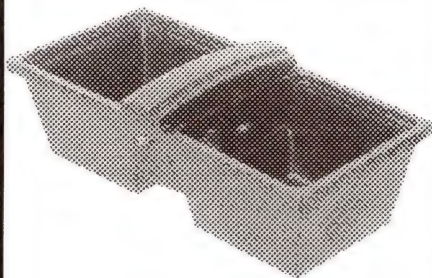
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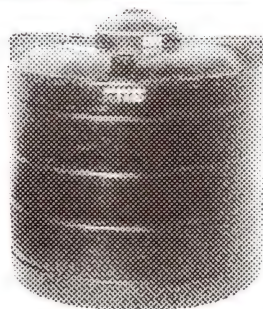
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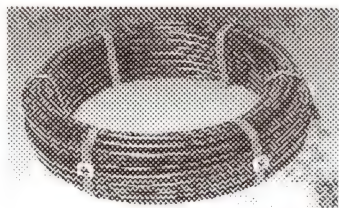
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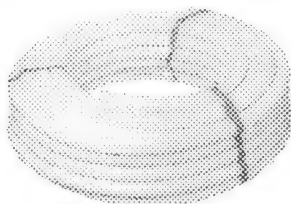
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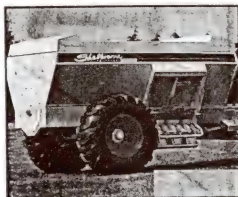
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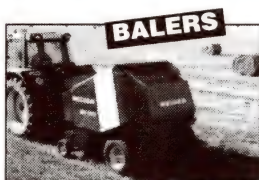
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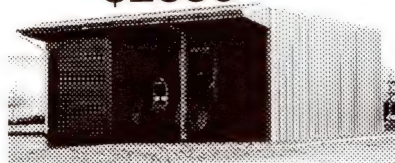
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Eco-Link Ltd, a resource management and scientific consultancy located on the Lincoln University campus, commenced operation in July 1998. Eco-Link's founding organisations are Canterbury Regional Council, Crop & Food Research, Landcare Research, Lincoln University, and WRONZ. These organisations, representing a diverse range of policy, educational and research expertise, have banded together to demonstrate that professionals, each with their own specialist skill, can work together as a team to provide sound professional advice. The company's mandate, based on an extensive feasibility study, is to serve client groups in priority areas such as on-farm issues, national and regional policy, management systems, and underlying scientific research. In the past, there has been criticism that scientists are unavailable and out of touch with end users. To answer this call, Eco-Link is sponsoring several speakers at the 1999 South Island Field Days. To find out more about Eco-Link, phone (03) 325-3707.

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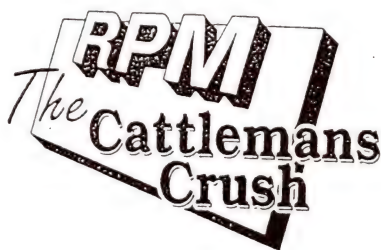


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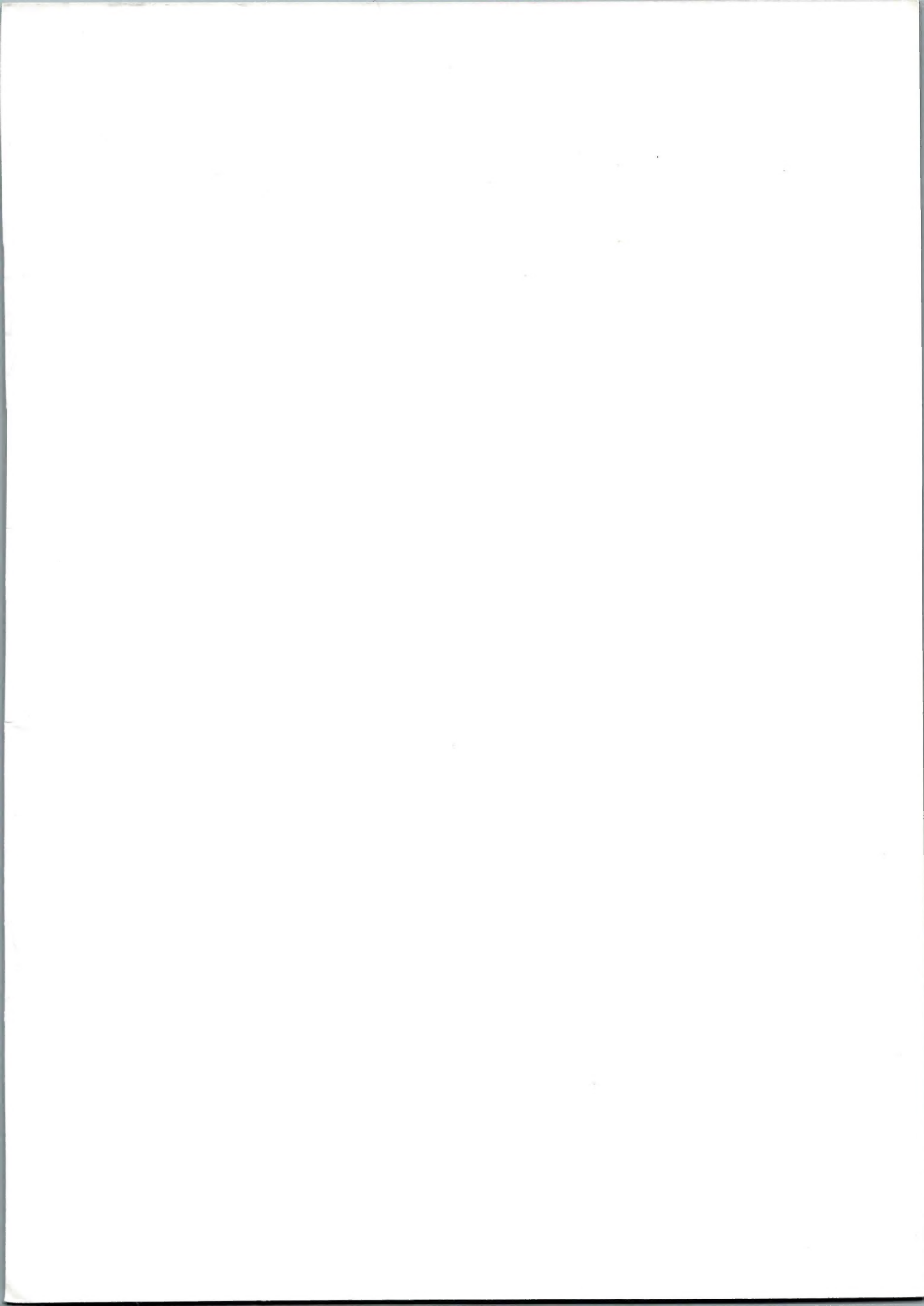
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